

ABSTRACT OF THE DISCLOSURE

Sub
A1
Functional films capable of exhibiting various functions by the application method, and a method for producing the functional films are provided.

A functional film comprising a compressed layer of functional fine particles obtained by compressing a layer containing the functional fine particles that is formed by application onto a support. The layer containing the functional fine particles is formed by applying a liquid in which the functional fine particles are dispersed onto the support and drying the liquid. The compressed layer of the functional fine particles is preferably obtained by compressing with a compression force of at least 44 N/mm². The functional fine particles are preferably selected from inorganic fine particles. The support is preferably a film made of resin. As the functional films, for example, a conductive film, a magnetic film, a ferromagnetic film, a dielectric film, a ferroelectric film, an electrochromic film, an electroluminescent film, an insulating film, a light-absorbing film, a light selecting absorbing film, a reflecting film, a reflection preventing film, a catalyst film and a photocatalyst film may be mentioned.